IN THE CLAIMS:

1. (Currently Amended): A method of controlling amplification of a signal emitted by a radio communication terminal including a power amplifier and a power supply battery, said method comprising the steps of:

detecting an output power of said amplifier and converting said output power into a first detected voltage,

modifying said first detected voltage ~~or a first set point voltage~~ based on an output voltage level of said power supply battery to generate a second detected voltage, ~~or a second set point voltage;~~

comparing said ~~first~~ second detected voltage with ~~said second~~ a set point voltage ~~or said second detected voltage with said first set point voltage~~ to generate a comparison result, and

adapting an input voltage of said power amplifier based on said comparison result.

2. (Previously Presented): The method claimed in claim 1 wherein said first detected voltage is increased by a correction value dependent on said output voltage of said power supply battery to generate said second detected voltage.

3. (Currently Amended): The method claimed in claim 1 wherein said ~~first~~ set point voltage is reduced by a correction value dependent on said output voltage of said power supply battery ~~to generate said second set point voltage~~.

4. (Previously Presented): The method claimed in claim 2 wherein said correction value is a multiple of Vbat - Vnom where Vnom is a nominal voltage of said power supply battery and Vbat is the output voltage of said power supply battery.

5. (Previously Presented): The method claimed in claim 3 wherein said correction value is a multiple of Vbat - Vnom where Vnom is a nominal voltage of said power supply battery and Vbat is the output voltage of said power supply battery.

6. (Currently Amended): The method claimed in claim 1 wherein said first detected voltage ~~or said first set point voltage~~ is modified based on said output voltage of said power supply battery only within a limited range of the output power of said amplifier.

7. (Currently Amended): The method claimed in claim 6 wherein said first detected voltage ~~or said first set point voltage~~ is modified based on said output voltage of said power supply battery only in a range of the output power of said amplifier close to 30 dBm.

8. (Currently Amended): A device for controlling amplification of a signal emitted by a terminal, said device comprising:

a power supply battery,

a power amplifier,

means for detecting an output power of said amplifier and converting said output power into a first detected voltage,

means for modifying said first detected voltage ~~or a first set point voltage~~ based on an output voltage of said power supply battery to generate a second detected voltage ~~or a second set point voltage~~;

means for comparing said first detected voltage with ~~said second~~ a set point voltage ~~or said second detected voltage with said first set point voltage~~ to generate a comparison result,

means for controlling an input voltage of said amplifier based on said comparison result.

9. (Currently Amended): The device claimed in claim 8, wherein said means for modifying said first detected voltage ~~or said first set point voltage~~ based on said output voltage of said power supply battery include a subtractor between said comparator means and said power detector and converter means.

10. (Currently Amended): The device claimed in claim 8 wherein said means for modifying said first detected voltage ~~or said first set point voltage~~ based on said output voltage of said power supply battery modifies said first detected voltage ~~or said first set point voltage~~ only in a range of the output power of said amplifier close to 30 dBm.

11. (Currently Amended): The device claimed in claim 10 wherein said means for modifying said first detected voltage ~~or said first set point voltage~~ include a field-effect transistor.

12. (Currently Amended): The device claimed in claim 8 wherein said means for modifying said first detected voltage ~~or said first set point voltage~~ based on said output voltage of said power supply battery include software means.

13. (Currently Amended): The device claimed in claim 12 wherein said software means modifies said first detected voltage ~~or said first set point voltage~~ based on said output voltage of said power supply battery only in a range of powers close to 30 dBm.

14. (Currently Amended): A radio communication terminal comprising a device for controlling amplification of a signal emitted by a terminal a power amplifier, the device comprising:

a power supply battery,

a power amplifier,

means for detecting an output power of said amplifier and converting said output power into a first detected voltage,

means for modifying said first detected voltage ~~or a first set point voltage~~ based on an output voltage of said power supply battery to generate a second detected voltage ~~or a second set point voltage~~;

means for comparing said first detected voltage with ~~said second~~ a set point voltage ~~or said second detected voltage with said first set point voltage~~ to generate a comparison result,

means for controlling an input voltage of said amplifier based on said comparison result.

15. (Currently Amended): A radio communication terminal according to claim 14, wherein said means for modifying said first detected voltage ~~or said first set point voltage~~ based on said output voltage of said power supply battery include a subtractor between said comparator means and said power detector and converter means.